

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:	)	Attorney Docket No. 080743165002
Heideman et al.	)	
	)	
Serial No.: 09/693,803	)	
	)	
Filed: October 20, 2000	)	
	)	
For: INTEGRATED OPTICAL	)	
LIGHTGUIDE DEVICE	)	
	)	
Examiner: Kang, Juliana	)	
	)	
Group Art Unit: 2874	)	
	)	
Confirmation No.: 8677	)	

**REMARKS**

New claims 37-48 have been added to the application so that claims 14, 15, 20, 24 and 26-48 are now in the application.

Applicants thank the Examiner for allowance of claims 14, 15 and 20 and for indicating the likelihood of allowance of claims 24, 26-32, 35 and 36.

**CLAIMS**

Claim 24 has been objected to because the limitation "the electrode pattern" in line 10 did not have an antecedent basis. The Examiner's attention is respectfully directed to line 8 which states "wherein an electrode pattern is formed." It is believed that this is sufficient antecedent basis for the limitation "the electrode pattern" of line 10.

The undersigned apologizes for causing confusion regarding claims 26 and 32-36. It is hoped that the following explanation will clear matters up by providing links between the claim language and various elements of the drawing:

In claim 26, the first structure is exemplified by layer 14 of amended FIGURE 1, the second structure is exemplified by layer 16, the third structure is exemplified by layer 18, the first segment is exemplified by element 22 and the second segment is exemplified by element 24.

In claim 32, the first light transmitting structure is exemplified by layer 166 in amended FIGURE 14, the second light transmitting structure is exemplified by layer 168, the first segment is element 170 and the second segment is element 172.

In claim 33, the first light transmitting structure is exemplified by layer 206 in amended FIGURE 17, the second light transmitting structure is exemplified by layer 207, the first segment is element 208 and the second segment is element 210.

In claim 34, the first light transmitting structure is exemplified by layer 190 in amended FIGURE 15, the second light transmitting structure is exemplified by layer 188, the ridge is labeled 191, and the segments are labeled 192, 193.

In claim 35, the first light transmitting structure is exemplified by layer 188 in amended FIGURE 16, the second light transmitting structure is exemplified by layer 190 and the segments are labeled 195, 196.

In claim 36, the first light transmitting structure is exemplified by layer 228 in new FIGURE 18, the second light transmitting structure is exemplified by layer 222, segment  $S_1$  is labeled 224 and segment  $S_2$  is labeled 226.

Claim 33 has been rejected under section 102 as being anticipated by Duveneck et al., U.S. 6,395,558 and claim 34 has been rejected under section 103 based on Duveneck et al. and Hirata, U.S. 6,414,976. Both of these claims have been amended to include the limitation of "alternating non-periodic first and second segments." Because there is nothing in the disclosure

of the Duveneck et al. reference regarding non-periodic segment (in the direction of light propagation), it is believed that the reference cannot support a section 102 rejection nor a section 103 rejection. The Examiner is respectfully requested to review amended claims 33 and 34 and indicated allowance.

New claims 37-48 also include the limitations of alternating non-periodic first and second segments and are also believed to be allowable. The Examiner is respectfully requested to review new claims 37-48 and indicate allowance.

#### SPECIFICATION and DRAWINGS

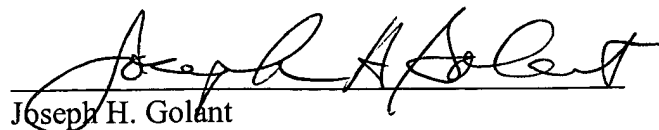
A substitute specification has been submitted because of the large number of changes made for editorial and clarity purposes. In addition, the drawings have been amended by deletion of the original reference numerals and their replacement by a new expanded set of reference numerals applied in the usual U.S. format. Finally, FIGURES 14, 15, 16 and 17 are transformations of the old figures into isometric views which the undersigned believes is far more intelligible than the previous plan and elevation views. FIGURE 18 is new and is supported by original claim 8 and paragraph 0035 of the specification.

It is believed that no new matter has been introduced in the application.

Should the Examiner feel that a telephone interview will facilitate prosecution of the subject application, she is invited to call the undersigned at her convenience.

Dated: September 17, 2004

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Joseph H. Golant", written over a horizontal line.

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